

I Claim:

2

1
1. A method of identifying components of members of test species that
4 deleteriously affect members of a target species, comprising the steps of:

(a) separating at least one member of a test species into a plurality of components;

6 (b) exposing at least some of said separated components of said member(s) of the
test species separately to members of the target species, wherein the target species is a
8 symbiont of an adjoiner species;

(c) examining said exposures to determine for said identification whether
10 members of the target species have been deleteriously affected by said exposures; and

(d) selecting the test species from among test species that are attached or internal
12 to a member of the adjoiner species whom has not reacted to the target species as
adversely as other members of the adjoiner species.

14

2
2. A method of identifying components of members of test species that
16 deleteriously affect members of a target species, comprising the steps of:

(a) separating at least one member of a test species into a plurality of components;

18 (b) exposing at least some of said separated components of said member(s) of the
test species separately to members of the target species, wherein the target species is a
20 symbiont of an adjoiner species;

(c) examining said exposures to determine for said identification whether
22 members of the target species have been deleteriously affected by said exposures; and

(d) selecting the test species from among test species that are attached or internal

to a member of the adjainer species whom was exposed to the target species but did not
2 react adversely thereto as did other exposed members of the adjainer species.

4 ³/₃. A method of identifying components of members of test species that
deleteriously affect members of a target species, comprising the steps of:

6 (a) separating at least one member of a test species into a plurality of components;

(b) exposing at least some of said separated components of said member(s) of the
8 test species separately to members of the target species, wherein the target species is a
symbiont of an adjainer species;

10 (c) examining said exposures to determine for said identification whether
members of the target species have been deleteriously affected by said exposures; and

12 (d) selecting the test species from among test species that are attached or internal
to a member of the adjainer species whom was exposed to the target species and reacted
14 adversely thereto but not as adversely as did other exposed members of the adjainer
species.

16 ⁴/₄. A method of identifying components of members of test species that
18 deleteriously affect members of a target species, comprising the steps of:

(a) separating at least one member of a test species into a plurality of components;

20 (b) exposing at least some of said separated components of said member(s) of the
test species separately to members of the target species, wherein the target species is a
22 symbiont of an adjainer species;

(c) examining said exposures to determine for said identification whether

members of the target species have been deleteriously affected by said exposures; and

- 2 (d) selecting the test species from among test species that are attached or internal
to a member of the adjainer species whom was exposed to the target species and reacted
4 adversely thereto but then recovered.

- 6 ⁵
~~5~~. A method according to Claim ^{1 2 3 4}~~1~~, ~~2~~, ~~3~~ or ~~4~~, wherein steps (a), (b) and (c) are
executed methodically and systematically with a large number of test species that are
8 symbionts of the adjainer species.

- 10 ⁶
~~6~~. A method according to Claim ^{1 2 3 4}~~1~~, ~~2~~, ~~3~~ or ~~4~~, wherein step (a) is executed with
such a large number of test species that are symbionts of the adjainer species that the
12 ratio of execution of step (a) when the test species are symbionts of the adjainer species
relative to execution of step (a) when the test species are not symbionts of the adjainer
14 species is significantly higher than said ratio of execution according to the prior art.

- 16 ⁷
~~7~~. A method according to Claim ^{1 2 3 4}~~1~~, ~~2~~, ~~3~~ or ~~4~~, wherein steps (b) and (c) are
executed in such large numbers when the test species are symbionts of the adjainer
18 species that the ratio of execution of steps (b) and (c) when the test species are symbionts
of the adjainer species relative to execution of steps (b) and (c) when the test species are
20 not symbionts of the adjainer species is significantly higher than said ratio of execution
according to the prior art.

8
8. A method according to Claim ~~1~~¹, ~~2~~², ~~3~~³ or ~~4~~⁴, wherein steps (a), (b) and (c) are
2 executed methodically and systematically with a large number of test species that are
traditional food sources of the adjoiner species.

4
9
9. A method according to Claim ~~1~~¹, ~~2~~², ~~3~~³ or ~~4~~⁴, wherein step (a) is executed with
6 such a large number of test species that are traditional food sources of the adjoiner
species that the ratio of execution of step (a) when the test species are traditional food
8 sources of the adjoiner species relative to execution of step (a) when the test species are
not traditional food sources of the adjoiner species is significantly higher than said ratio
10 of execution according to the prior art.

10
10. A method according to Claim ~~1~~¹, ~~2~~², ~~3~~³ or ~~4~~⁴, wherein steps (b) and (c) are
12 executed in such large numbers when the test species are traditional food sources of the
adjoiner species that the ratio of execution of steps (b) and (c) when the test species are
14 traditional food sources of the adjoiner species relative to execution of steps (b) and (c)
when the test species are not traditional food sources of the adjoiner species is
16 significantly higher than said ratio of execution according to the prior art.

18
11
11. A method according to any of Claims ~~1~~¹, ~~2~~², ~~3~~³ or ~~4~~⁴, wherein the adjoiner
20 species is the human species.

12
12. A method according to any of Claims ¹1, ²2, ³3 or ⁴4, wherein the adjainer
2 species has a near-human-species genetic composition.

4 ¹³
13. A separated component of a member of a test species identified by the
method of any of Claims ¹1, ²2, ³3 or ⁴4 as deleteriously affecting members of a target
6 species or an equivalent of said identified component.

8 ¹⁴
14. A method of using a component of a member of a test species identified by
the method of any of Claims ¹1, ²2, ³3 or ⁴4 as deleteriously affecting members of a target
10 species and/or an equivalent of said identified component, comprising the step of:

(e) exposing said identified component and/or an equivalent of said identified
12 component to members of the target species that are residing in or on a member of the
adjoiner species.

14 ¹⁵
15. A method of manufacturing a product including a test-species component
16 identified by the method of any of Claims ¹1, ²2, ³3 or ⁴4 as deleteriously affecting members
of a target species and/or an equivalent of said identified component, comprising the step
18 of:

(e) providing said component in bulk quantities.

20 ¹⁶
16. A product manufactured according to the method of Claim ¹⁵15.

¹⁷
~~17~~. A method according to Claim ¹⁵~~15~~, further comprising the step of:

2 (f) modifying the product to decrease any deleterious effect upon the adjointer species caused by the identified component and/or said equivalent thereof.

4 ¹⁸
~~18~~. A product manufactured according to the method of Claim ¹⁷~~17~~.

6 ¹⁹
~~19~~. A method according to Claim ¹⁵~~15~~, further comprising the step of:

8 (f) modifying the product to increase the deleterious effect upon the target species caused by the identified component and/or said equivalent thereof.

10 ²⁰
~~20~~. A product manufactured according to the method of Claim ¹⁹~~19~~.

12 ²¹
~~21~~. A method according to Claim ¹⁵~~15~~, wherein step (e) comprises separating said
14 component in bulk quantities from said members of said test species.

16 ²²
~~22~~. A product manufactured according to the method of Claim ²¹~~21~~.

18 ²³
~~23~~. A method according to Claim ¹⁵~~15~~, wherein step (e) comprises synthesizing
said component and/or an equivalent thereof in bulk quantities.

20 ²⁴
~~24~~. A product manufactured according to the method of Claim ²³~~23~~.

25~~25~~. A method of testing a product manufactured according to Claim ¹⁵~~15~~,
2 comprising the steps of:

(f) exposing said product to the adjoiner species or a member of a trial species;
4 and
(g) examining said exposure of step (f) to determine the extent of any deleterious
6 effect upon the adjoiner species or the trial species respectively.

26²⁶. A method of testing a product manufactured according to Claim ¹⁵~~15~~,
8 comprising the steps of:

(f) exposing said product to the target species; and
(g) examining said exposure of step (f) to determine the extent of the deleterious
12 effect upon the target species.

27²⁷. A method according to Claims ^{1 2 3 4}~~1, 2, 3 or 4~~, wherein members of the test
14 species at least in some aspect deleteriously affect members of the adjoiner species.

28²⁸. A method according to Claims ^{1 2 3 4}~~1, 2, 3 or 4~~, wherein members of the target
16 species at least in some aspect deleteriously affect members of the adjoiner species.

29²⁹. A method according to Claims ^{1 2 3 4}~~1, 2, 3 or 4~~, wherein during said step of
20 exposing separated components of member(s) of said test species to members of the
22 target species, said exposed members of the target species are isolated from the adjoiner
species.